



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 4] नई दिल्ली, शनिवार, जनवरी 27, 1979 (माघ 7, 1900)  
No. 4] NEW DELHI, SATURDAY, JANUARY 27, 1979 (MAGHA 7, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 27th January 1979

### SPECIAL NOTICE

The following holidays will be observed by the Patent Office Branch, New Delhi, during the year 1979.

Name of Festival	Day of the week	Date
Republic Day	Friday	26th January
Guru Ravi Das's Birthday	Monday	12th February
Holi	Wednesday	14th March
Ramanavami	Thursday	5th April
Mahavira Jayanti	Tuesday	10th April
Good Friday	Friday	13th April
Buddha Purnima	Friday	11th May
Janamashtami	Tuesday	14th August
Independence Day	Wednesday	15th August
Id-ul-Fitr	Sunday	26th August
Dussehra	Saturday	29th September
Dussehra	Sunday	30th September
Dussehra	Monday	1st October
Mahatma Gandhi's Birthday	Tuesday	2nd October
Diwali (Deepavali)	Saturday	20th October
Id-uz-Juba	Friday	2nd November
Guru Nanak's Birthday	Sunday	4th November
Muharram	Saturday	1st December
Christmas Day	Tuesday	25th December

## CORRIGENDA

## (1)

In the Gazette of India, Part III, Section 2 dated the 14th October, 1978 under the heading "Name Index".—

at page 752, Column 2

*For* Ahmedabad Textile Industry Research Association  
*read* Ahmedabad Textile Industry's Research Association.

at page 753, Column 1

*For* Brenznay, E.

*read* Breznay, E.

at page 754, Column 1

*For* Produits Chimiques Ugine Kuhlmann  
*read* Produits Chimiques Ugine Kuhlmann.

at page 754, Column 2

*For* Siemens Aktiengesellschaft  
*read* Siemens Aktiengesellschaft.

*For* Societe D'Appareillage Electrique Eaparel  
*read* Societe D'Appareillage Electrique Saparel.

at page 755, Column 1

*For* Vereinigte Osterreichische Eisen-Und Stahlwerke-Alpine Montan Aktiengesellschaft

*read* Vereinigte Osterreichische Eisen-Und Stahlwerke-Alpine Montan Aktiengesellschaft.

## (2)

In the Gazette of India, Part III, Section 2 dated the 18th November, 1978 under the heading "Name Index"—

at page 809, Column 2

In the heading Name Index of applicants for Patents etc.  
*for* 564/Del/78 to 648/78

*read* 564/Del/78 to 648/Del. 78.

*For* Aluminium Company of America

*read* Aluminium Company of America.

*For* Bayer Aktiengesellschaft

*read* Bayer Aktiengesellschaft.

at page 810, Column 1

*For* Dham, G. S. *read* Dhami, G. S.

at page 810, Column 2

*For* Gottfried Bischoff Bau Kompl. Gasreini gungs-Und Wasserruckk-Uhlangen GMBH Co. Kommanditgesellschaft

*read* Gottfried Beschoff Bau Kompl. Gasreini gungs-Und Wasserruckk-Uhlangen GMBH & Co. Kommanditgesellschaft.

Against Indian Splicing (Mechanical) & Accessories Ltd.

*for* No. 878/Cal/ *read* 878/Cal/78.

at page 811, Column 1

Against N. V. Philips' Gloeilampenfabrieken

*for* No. 877/Bom/78 *read* 877/Cal/78.

Against Outokumpu Oy

*add* No. 940/Cal/78 *after* No. 915/Cal/78.

at page 812, Column 1

Against Werkzeugmaschinenfabrik Oerlikon-Buhrle A.G.

*add* No. 645/Del/78 *after* No. 644/Del/78.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

## 21st December, 1978

1358/Cal/78. Montedison S.p.A. Process for the preparation of phosphoric and thiophosphoric esters of 5(3)-hydroxy-pyrazoles exerting an insecticide action.

1359/Cal 78. Stauffer Chemical Company.. Process for the preparation of an insecticidal composition. [Divisional date August 29, 1977].

1360/Cal/78. South African Coal, Oil & Gas Corporation Limited. Process for coal liquefaction.

1361/Cal/78. Hoechst Aktiengesellschaft. Novel Crystal modification of 5-(2'-Hydroxy-3'-naphthoylamino)-benzimidazolone-(2), process for its manufacture and its use.

1362/Cal/78. Hoechst Aktiengesellschaft. Pigment dispersions and their use for the pigmenting of hydrophilic and hydrophobic media.

## 22nd December, 1978

1363/Cal/78. Montedison S.p.A. Two dichloroacetamide antidotes for non-selective herbicides particularly active in the protection of maize against the poisonous action exerted by herbicides esters of N, N-disubstituted glycine. (October 27, 1977).

1364/Cal/78. Burroughs Corporation. Improved transducer positioning system. (June 23, 1978).

1365/Cal/78. Burroughs Corporation. Cancellation of thermal noise in magnetoresistive heads. (August 8, 1978).

1366/Cal/78. Prerovske Strojirny, Narodni Podnik. Arrangement for pre-heating and partial calcination of granular materials.

1367/Cal/78. Prerovske Strojirny, Narodni Podnik. Arrangement for vertical pneumatic transport by elevators with continuous feeding of powder material.

## 23rd December, 1978

1368/Cal/78. Cummins Engine Company, Inc. Fluid drive coupling.

1369/Cal/78. Lucas Industries Limited. Electromagnetic relay. (December 23, 1977).

1370/Cal/78. Sibi GmbH & Co. KG. Self-priming centrifugal pump.

1371/Cal/78. The Air Preheater Company, Inc. Trunnion seal.

## 26th December, 1978

1372/Cal/78. Bunker Ramo Corporation. Electrical connector assembly.

1373/Cal/78. The Enercon Corporation. Controlled rotor motor.

1374/Cal/78. Cassella Farbwerke Mainkur Aktiengesellschaft. Process for manufacturing soluble trisazo dye-stuffs. [Divisional date May 16, 1977].

1375/Cal 78. Orissa Cement Limited. Method of manufacturing basic refractories.

1376/Cal/78. Surja Kanta Paul. Tubewell strainer or filter.

## 27th December, 1978

1377/Cal/78. Khagen Banerjee. Double benefit venturi cum double cyclone scrubber.

1378/Cal/78. Cummins Engine Company, Inc. A turbocharger assembly.

1379/Cal/78. Cummins Engine Company, Inc. Internal combustion engine with exhaust gas recirculation.

1380/Cal/78. Cummins Engine Company, Inc. Adjustable timing mechanism for fuel injection systems.

1381/Cal/78. V. I. Koshman, M. A. Nagorny and V. F. Petrichenko. Explosion-proof switchgear apparatus.

1382/Cal/78. Phillips Petroleum Company. Method for producing pelleted carbon black.

1383/Cal/78. Aktiengesellschaft Kuhnle, Kopp & Kausch. Piston cylinder arrangement.

1384/Cal/78. Combustion Engineering, Inc. Internal and external nipples or nozzles in pipe headers or boiler drums.

1385/Cal/78. Samarendra Kumar Sengupta. A reflecting road device.

APPLICATION FOR PATENTS FILED AT THE  
(BOMBAY BRANCH)

1st November, 1978

320/Bom/78. Godrej Soaps Limited. Prevention of air pollution caused by non-condensable, offensive, odorous compounds which are discharged to the atmosphere during the process of removal of offensive, odorous sulphur compounds from neem oil.

321/Bom/78. Anil Jaykrishnabhai Jerajani. An invention for Polyethylene Bag.

322/Bom/78. Manohar Balwant Pandit. Safety device for passengers when travelling in cars.

323/Bom/78. Dr. Sadashiv Vasudeo Patwardhan. Improvements in or relating to a process of and an equipment for purification of fluids by filtration.

3rd November, 1978

324/Bom/78. Balaji Narayan Shrinivas. Motor cycle fuel tap locking accessory-(device).

6th November, 1978

325/Bom/78. Ahmedabad Textile Industry's Research Association. Improvements in or relating to the synthesis of 2, 3 : 4, 6-di-O-iso-propylidene I-sorbosc.

326/Bom/78. Brij Bhooshan Vishwakarma & Mrs. B. Vishwakarma. Janta-Chulha i.e. (Mukta-Coal-Burner).

7th November, 1978

327/Bom/78. Philadelphia Suburban Corporation. Fighting fire.

10th November, 1978

328/Bom/78. Natvarlal Popatlal Sachania. An improved process of separation of oil from oil seeds.

13th November, 1978

329/Bom/78. Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni. Improvements in or relating to flat plate solar collector.

330/Bom/78. Yashawant Dattatray Altekar. An electronic device for checking the time-keeping accuracy of watches, clocks, and time-pieces.

331/Bom/78. Pallithodi Bhaskaran Unni. Improvements in or relating to containers for the carriage transportation or storage of liquid products.

15th November, 1978

332/Bom/78. Mrs. Leela Shivaji Kadam. A process for the manufactures of weedicides.

16th November, 1978

333/Bom/78. Jaiprakash Anant Sathe. A new ladder-cum-catwalk assembly for corrugated asbestos cement sheet roofs.

17th November, 1978

334/Bom/78. Rohit Harishchandra Parikh. A drop wire for warp stop mechanism on textile weaving looms.

20th November, 1978

335/Bom/78. Damodar Jhamatlal Mahbubani. Remote control circuit for variation of welding current in A.C. arc welding transformer.

336/Bom/78. G. S. Bakshi. A testing apparatus for detecting and measuring the defects in the lines of a railway track.

21st November, 1978

337/Bom/78. Kavalath Kesavan Kutty Menon. A hand driven washing machine.

24th November, 1978

338/Bom/78. Tata Engineering and Locomotive Company Limited. A method for the manufacture of a rotor for an electric motor and a rotor manufactured thereby.

339/Bom/78. Thermax (India) Private Limited. A multiple purpose application furnace for heating a plurality of fluids.

25th November, 1978

340/Bom/78. M/s. Camphor & Allied Products Limited. A process for the selective semihydrogenation of acetylenes to olefins.

341/Bom/78. Ahmedabad Textile Industry's Research Association. Process of obtaining dyeing or printing effects on fabrics. [Divisional date November 5, 1976.]

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

12th December, 1978

225/Mas/78. M. Venkiteswaran. Improvements in or relating to electrical/electronic terminals.

13th December, 1978

226/Mas/78. Duraiswamy Vecranandal Subba Reddy. A multipurpose device, particularly used to prevent glare and heat of the sun.

14th December, 1978

227/Mas/78. O. G. Rajulu, "Tom-Cat" process for killing rodents in fields instantaneously, which was developed by me.

ALTERATION OF DATE

145957. }  
243/Bom/77. } Ante-dated to June 21, 1976.

145962. }  
709/Cal/77. } Ante-dated to September 3rd, 1974.

145963. }  
710/Cal/77. } Ante-dated to September 3rd, 1974.

145964. }  
711/Cal/77. } Ante-dated to September 3rd, 1974.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F<sub>8c</sub> & 56G.  
Int. Cl. B01d 53/00.

145951.

# PROCESS FOR REGENERATING WATER-CONTAINING METHANOL OR OTHER WATER CONTAINING-HIGHLY VOLATILE ORGANIC SOLVENT FROM GASES

*Applicant:* METALLGESELLSCHAFT, A.G., OF 16 FRANKFURT A.M. REUTERWEG 14, GERMAN FEDERAL REPUBLIC.

*Inventors:* DR. ALEXANDER DOERGES & JOHANN SCHLAUER.

Application No. 1474/Cal/77 filed October 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A process of regenerating water-containing methanol or other water-containing, highly volatile organic solvents, which have been used to scrub acid constituents from gases having a low content of water and of volatile compounds of metals of the 8th group of the Periodic System, in which process acid gas constituents are removed from the laden solvent in that the latter is flushed and/or is stripped with inert gas or at elevated temperature with its own vapor, and the solvent is subsequently cooled and recirculated for renewed use to scrub acid constituents from gas, characterized in that :

(a) soluble substance which forms soluble complex compounds with the metal compound that have entered the solvent from the gas is added to the solvent in an amount of 0.005 to 1 gram per liter;

(b) a branch stream is withdrawn from the solvent cycle and is directly heated to distill highly volatile solvent, which is subsequently returned to the cycle;

(c) the metal salt-containing, aqueous, remaining phase of the branch stream is withdrawn from the process and is replaced in the solvent cycle by water which is received from the gas and/or by water which is added to the solvent.

CLASS 32F<sub>8a</sub> & 55E<sub>1</sub>.  
Int. Cl.-C07c 153/03.

145952.

# NEW 2-AMINO-CYCLOPENT-1-ENE-1-DITHIOCARBOXYLIC ACID DERIVATIVES AND A PROCESS FOR THE PREPARATION THEREOF.

*Applicant:* RICHTER GEDEON VEGYFESZETI GYAR RT., OF 21, GYOMROI U., BUDAPEST X, HUNGARY.

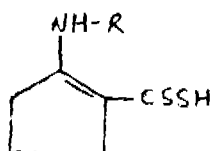
*Inventors:* DR. GYORGY MATOLCSY, PIROSKA BARTOK NEE BRENCZY, BELA KISS, DR. EVA PALOSI, DR. EGON KARPATI AND DR. LASZLO SZPORN.

Application No. 1771/Cal/77 filed December 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

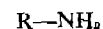
## 10 Claims.

A process for the preparation of a 2-amino-cyclopent-1-ene-1-dithiocarboxylic acid derivative having the general formula I.



wherein R is a C<sub>1-4</sub> alkenyl group, a C<sub>6-10</sub> cycloalkyl group, phenyl group or a C<sub>1-6</sub> alkyl group having optionally a

C<sub>1-4</sub> alkoxy, hydroxy, carboxy and/or amino substituent, with the proviso that if R is an unsubstituted alkyl group, this group contains at least 5 carbon atoms, characterized in that 2-amino-cyclopent-1-ene-1-dithiocarboxylic acid or a salt thereof is reacted with an amine of the general formula



wherein R is as defined above.

CLASS 32F<sub>8c</sub> & 55E<sub>1</sub>.  
Int. Cl.-C07c 89/00, C07c 91/04.

145953.

# A PROCESS FOR THE PREPARATION OF DL-2-AMINO-1-BUTANOL.

*Applicant:* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

*Inventors:* KAMLESH CHANDRA AGARWAL, DINESH PATEL, JAGMOHAN KHANNA AND PADAM CHAND JAIN.

Application No. 117/Del/77 filed May 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 13 Claims.

An improved process for the preparation of DL-2-amino-1-butanol wherein (a) butylene-1-oxide is reacted with ammonia to obtain a mixture of 1-amino-2-butanol and 2-amino-1-butanol; (b) reacting the mixture of amino butanols thus obtained with sulphuric acid followed by treatment with caustic alkali to obtain 2-ethyl aziridine; (c) reacting the 2-ethyl-aziridine with organic acids to obtain 2-acylamino-1-butanol and characterised in (d) hydrolysing the 2-acylamino-1-butanol formed with mineral acids or caustic alkali as shown in the flow sheet of the accompanying drawings.

CLASS 32A<sub>1</sub>.

145954.

Int. Cl.-C07d 7/00, C09b 57/00.

# PROCESS FOR THE MANUFACTURE OF FLUORESCENT PIGMENTS.

*Applicant:* CIBA-GEIGY OF INDIA LIMITED OF AAREY ROAD, GOREGAON EAST, BOMBAY-400063, MAHARASHTRA, INDIA, AN INDIAN SUBSIDIARY OF THE SWISS COMPANY CIBA-GEIGY LIMITED, BASLE, SWITZERLAND.

*Inventor:* DR. NALIN BINDUPRASAD DESAI.

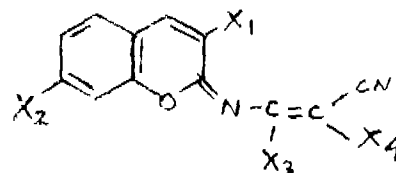
Application No. 47/Bom/76 filed February 10, 1976.

Complete Specification left February 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

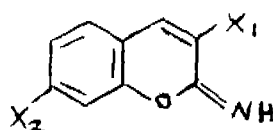
## 6 Claims.

A process for the manufacture of new fluorescent pigments consisting of N-substituted iminocoumarins of the formula I.

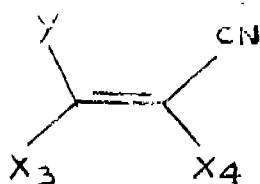


wherein X<sub>1</sub> is a cyano group, a carboxamido group, an aryl or a heteroaryl radical such as herein described, X<sub>2</sub> is an amino group, hydroxy group or an alkoxy group, and when it is an amino group, may carry an optionally substituted alkylene or alkylidene group such as herein described bound in ortho position to the nitrogen atom and in para position to the coumarin oxygen atom, X<sub>3</sub> is a hydrogen atom, a

halogen atom or a cyano group and  $X_1$  is a functionally converted carboxyl group by the reaction of iminocoumarins of the general formula II.



wherein  $X_1$  and  $X_2$  are as defined above with ethylene derivatives of the formula III.



wherein  $X_3$  and  $X_4$  are as defined above and  $Y$  represents a leaving group such as herein described.

## CLASS 127-I.

145955.

Int. Cl. F16d 3/00.

## FLEXIBLE COUPLING.

*Applicant & Inventor* : MADHUSUDAN LAXMINARAYAN RATHI, OF 28 MUKUND NAGAR, POONA-411009, MAHARASHTRA STATE, INDIA.

Application No. 366/Bom/76 filed October 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 2 Claims.

Flexible coupling comprising two hubs, one for fitting on the shaft of the prime mover and the other for fitting on the shaft of the equipment, in between the said hubs there is provided a hard rubber coupling component having holes for radially and axially fastening the said coupling component on the said hubs; the hub on the prime mover having flanged end and holes for axially fastening the said coupling component while the hub on the shaft of point of application has radial holes and the said coupling component being fastened with radial bolts passing through the holes provided in the said coupling component and the said hub being pushed in the central hollow portion of the said coupling component such that the coupling component is simultaneously radially and axially fastened to the said two hubs; the said coupling component as a variation is provided with plurality of holes only in axial direction and the said two hubs respectively for fitting on the prime mover and on the shaft of the equipment are fastened with axially passing bolts; half number of bolts pass in one direction and the rest in the opposite direction.

## CLASS 126A.

145956.

Int. Cl. D06h 3/08; G01n 33/36.

## AN INSTRUMENT FOR MEASUREMENT OF DYE PERCENTAGE IN A DYED OR COLOURED SPECIMEN.

*Applicant* : THE TEXTILE AND ALLIED INDUSTRIES RESEARCH ORGANISATION, OF KALA BHAVAN PREMISES, BARODA-1, GUJARAT, INDIA.

*Inventor* : BHAGVATIPRASAD BALUBHAI JOSHI.

Application No. 95/Bom/75 filed April 8, 1975.

Complete Specification Left. June 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 8 Claims.

An instrument for measuring percentage of dye in a dyed or coloured specimen, particularly a textile fabric, comprising a light source incident on said specimen, a plurality of photo-voltaic cells, preferably selenium cells, arranged in parallel to receive light reflected from said specimen and a

meter to measure photoelectric current generated in said cells, said meter being desirably calibrated directly in dye percentages on the basis of readings from known or standard specimens.

## CLASS 126A.

145957.

Int. Cl. D06h 3/08; G01n 33/36.

## AN INSTRUMENT FOR COMPARING COLOUR SHADES OF TWO DYED OR COLOURED SPECIMENS, IN PARTICULAR TEXTILE FABRICS, HAVING APPARENTLY SAME LOOKING SHADE.

*Applicant* : THE TEXTILE & ALLIED INDUSTRIES RESEARCH ORGANISATION, OF KALA BHAVAN PREMISES, BARODA-1, GUJARAT, INDIA.

*Inventor* : BHAGVATI PRASAD BALUBHAI JOSHI.

Application No. 243/Bom/77 filed August 8, 1977.

Division of Application No. 95/Bom/75 filed June 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 8 Claims.

An instrument for comparing colour shades of two dyed or coloured specimens, particularly of textile fabric, having apparently same looking shade comprising a wheatstone bridge on two arms of which are mounted light dependent resistors (LDR), such as cadmium sulphide cells, and other two arms of which comprise usual resistors, a source of light to be incident on said specimens, means for the light reflected from said specimens to be incident on respective LDR's, and an ammeter in the bridge circuit to indicate extent of difference in the shade between the two specimens.

## CLASS 25A &amp; 27-I.

145958.

Int. Cl. E04c 1/00.

## BUILDING CONSTRUCTION ASSEMBLY AND INTERLOCKING HOLLOW CEMENT CONCRETE BLOCKS THEREFOR.

*Applicant & Inventor* : JAUN HAENER OF 8215 HARTON PLACE, SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA.

Application No. 1123/Cal/75 filed June 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 26 Claims.

A hollow interlocking cement concrete block for use in wall construction assemblies, which assemblies involve the interlocking of a plurality of substantially identical blocks to create a substantially continuous planar wall surface, and wherein said wall construction assemblies have a plurality of linear courses of blocks, with each said linear course comprising a plurality of abutting blocks laid end to end, and wherein the blocks in the courses lying above and below any linear course are in staggered relationship to the blocks in its underlying or overlying linear course, said blocks comprising: a pair of spaced parallel side walls having flat upper and lower faces, inter-connecting web/webs to maintain said side walls in a spaced relationship, a plurality of first locking means connected to said side walls, and disposed between the upper sections of said side walls, said first locking means including a plurality of projections extending above the upper face of said side walls, cooperative locking recesses having cooperating portions connected to said side walls and disposed between the lower sections of said side walls, said cooperating locking recesses terminating at the plane of said lower face, the thickness of said projections being less than the thickness of said cooperating portions, whereby the projections above the upper face of the side walls on one block are adapted to cooperate in locking relationship with the lower cooperating portions of a block placed above said one block to prevent transverse or longitudinal displacement of the blocks relative to one another.

CLASS 170B & D.  
Int. Cl. C11d 9/00.

145959.

# HEAVY DUTY FABRIC WASHING POWDER.

*Applicant*: HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

*Inventors*: HENDRIK WILLEM BROUWER, (2) DAVID ELLIS CLEARKE, (3) ROBERT ERNST NIEMANTS-VERDRIET, & JOHN BARRY TUNE.

Application No. 353/Bom/76 filed October 12, 1976.

Convention date October 17, 1975 (42833/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

11 Claims. No drawings.

A heavy duty fabric washing powder comprising

(a) a non-soap detergent consisting of an alkoxylated alcohol nonionic surfactant,

(b) a water soluble soap, and

(c) sodium tripolyphosphate characterised in that the proportion of: (a) is present in an amount of from 5 to 50% by weight, (b) is present in an amount 10-30% by weight, (b) is present in an amount 61.p-of ( vbqkq cmfc weight of (c) is present in an amount of 10-40% by weight respectively, the balance being conventional compounds of fabric washing powders.

CLASS 39-O.

145960.

Int. Cl. C01b 33/10.

# AN IMPROVED PROCESS FOR THE MANUFACTURE OF SYNTHETIC CRYOLITE.

*Applicant*: THE FERTILISERS AND CHEMICALS, TRAVENCORE LIMITED, OF UDYOGAMANDAL, P.O. STATE OF KERALA, INDIA.

*Inventors*: DR. JOSEPH XAVIER, (2) KOCHUPARAMBIL CHERIAN GEEVARGHESE, (3) KARUVALLIL RAMAN RAMACHANDRAN NAIR, (4) DLYCOTE LAKSHMAN RAO VISHANATH RAO, (5) BALAKRISHNAN RADHAKRISHNAN, (6) NARAYANA PILLAI SASIKUMAR, (7) PARAKKAL LAZAR ELSIE, & KALLIVALAPPIL VARUNNY JOSE.

Application No. 36/Mas/76 filed February 28, 1976.

Complete Specification Left. February 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

16 Claims. No drawings.

An improved process for the manufacture of synthetic cryolite from sodium silicofluoride comprising the step of

(a) making a slurry of sodium silicofluoride in water;

(b) injecting gaseous ammonia into and slurry under agitation till a pH of about 9.2 to 9.5 is reached;

(c) digesting the ammoniated slurry with water to extract the maximum quantity of sodium and ammonium fluorides formed at step (b);

(d) filtering the slurry obtained at the end of step (c) to remove the precipitated silica and washing the cake with minimum quantity of water; characterized in that the filtrate obtained at the end of the step (d) is purified with the addition of ferrous sulphate, ammonia added thereto until

a pH of about 10.5 is reached, the ammoniated mixture is agitated by aeration to precipitate iron and carried-over phosphate and silica, the sludge being filtered off to obtain a clear solution, the pH of the clear solution so obtained being lowered to about 6.5 to 7.0 by adding concentrated sulphuric acid, the acidified solution being heated to a temperature of about 70° to 80°C, to which is then added an aluminium salt, such as aluminium sulphate, to precipitate

a mixture of cryolite and ammonium cryolite by adding purified sodium chloride to the slurry of the said mixture.

CLASS 39-L.

145961.

Int. Cl. C01f 5/02.

# MANUFACTURE OF REFRACTORY GRADE MAGNESIA FROM SEA WATER USING LIMESTONE/DOLOMITE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors*: ANIAM RAMAKRISHNA RAO, (2) MAHESHKUMAR CHANDRAMUKHRAI VAIDYA, (3) HIMANSHURAO LABHSHANKER JOSHI, (4) DEVENDRA HARIPRASAD OZA, (5) DHIRAJLAL AMRITLAL CHAUHAN, (6) RAJINDER NATH VOHRA, (7) GHANSHYAM NANDLAL DAVE, (8) REBATI LAL DATTA AND DHIRAJLAL JETHALAL MEHTA.

Application No. 254/Cal/76 filed February 13, 1976.

Complete Specification Left. May 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for the manufacture of refractory grade magnesia from sea water using limestone, which consists of the preparation  $99 \pm 0.5\%$  active lime by calcining the limestone and enriching the lime after slacking it, the pretreatment of sea water with an acid to remove carbonates and bicarbonates, the precipitation of magnesium hydroxide from the treated sea water using the said slacked and purified lime obtained as above, dewatering and washing the magnesium hydroxide precipitate and dead burning the magnesium hydroxide at temperatures between 1600-1800°C.

CLASS 32F,c & 40B.

145962.

Int. Cl. C07b 29/00.

# PROCESS FOR THE AMMOXIDATION OF OLEFINS.

*Applicant*: THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

*Inventors*: ROBERT KARL GRASSLELI, (2) ARTHUR FRANCIS MILLER, & WILFRID GARSIDE SHAW.

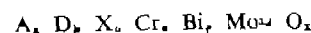
Application No. 709/Cal/77 filed May 12, 1977.

Division of Application No. 1972/Cal/74 filed September 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the amnoxidation of an  $\alpha$ -olefin selected from the group of propylene or isobutylene comprising contacting the propylene or isobutylene with ammonia and molecular oxygen at a temperature of 200°C to 600°C in the presence of a catalyst composition having the empirical formula



wherein A is an alkali metal, Tl, In, Ag, Cu, rare earth or mixture thereof; and D is P, As, Sb, Sn, Ge, B, W, Th, V, Ti, Si or mixture thereof;

and wherein  $4 > a > 0$  and  $4 > b > 0$

C is 0.1 to 20;

X is nickel, cobalt or a mixture thereof;

c is 0.1 to 20;

e is 0.1 to 10;

f is 0.01 to 6; and

x is the number of oxygens required to satisfy the valence requirements of the other elements present, and  $x > 0$ .

CLASS 32C & 40B.

145963.

Int Cl-C01b 3/00; C07c 11/00.

# PROCESS FOR THE OXIDATIVE DEHYDROGENATION OF OLEFINS.

*Applicant*: THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO, 44115, UNITED STATES OF AMERICA.

*Inventors*: ROBERT KARL GRASSELLI, ARTHUR FRANCIS MILLER AND WILFRID GARSIDE SHAW.

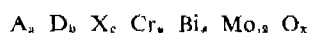
Application No. 710/Cal/77 filed May 12, 1977.

Division of Application No. 1972/Cal/74 filed September 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the oxidative dehydrogenation of an olefin containing 4 to 10 carbon atoms by contacting the olefin with molecular oxygen at a temperature of 200° to 600°C in the presence of a catalyst composition having the empirical formula



wherein A is an alkali metal, Tl, In, Ag, Cu, rare earth or mixture thereof; and D is P, As, Sb, Sn, Ge, B, W, Th, V, Ti, Si or mixture thereof; and wherein  $4 > a > 0$  and  $4 > b > 0$

X is nickel, cobalt or a mixture thereof; c is 0.1 to 20; e is 0.1 to 10; f is 0.01 to 6; and x is the number of oxygens required to satisfy the valence requirements of the other elements present, and  $x > 0$ .

CLASS 32F, a & 40 B.

145964.

Int. Cl.-C07b 3/00, C07c 47/02.

PROCESS FOR THE OXIDATION OF OLEFINS.

*Applicant*: THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

*Inventors*: ROBERT KARL GRASSELLI ARTHUR FRANCIS MILLER AND WILFRID GARSIDE SHAW.

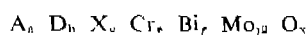
Application No. 711/Cal/77 filed May 12, 1977.

Division of Application No. 1972/Cal/74 filed September 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the oxidation of an  $\alpha$ -olefin selected from the group of propylene or isobutylene to the corresponding unsaturated aldehyde or acid by contacting the propylene or isobutylene and molecular oxygen at a temperature of about 200° to about 600° in the presence of a catalyst composition having the empirical formula



wherein A is an alkali metal, Tl, In, Ag, Cu, rare earth or mixture thereof; and D is P, As, Sb, Sh, Ge, B, W, Th, V, Ti, Si or mixture thereof; and wherein  $4 > a > 0$  and  $4 > b > 0$ ; X is nickel, cobalt or a mixture thereof; c is 0.1 to 20; e is 0.1 to 10; f is 0.01 to 6; and x is the number of oxygens required to satisfy the valence requirements of the other elements present, and  $x > 0$ .

CLASS 32, a.

145965.

Int. Cl.-C07c 69/34.

PROCESS FOR PREPARING DIESTERS OF DICARBOXYLIC ACIDS.

*Applicant*: UBE INDUSTRIES, LTD., OF 12-32, 1-CHOME, NISHI-HONMACHI, OBE-SHI, YAMAGUCHI-KEN, JAPAN.

*Inventors*: SUMIO UMEMURA, KANENOBU MATSUI, YOSHINARI IKEDA AND KATSURO MASUNAGA.

Application No. 1475/Cal/77 filed October 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

A process for preparing a diester of a dicarboxylic acid having two more carbon atoms than the unsaturated hydrocarbon such as herein defined used as the starting material, which comprises subjecting an unsaturated hydrocarbon, carbon monoxide and an alcohol such as herein defined to reaction in the presence of a platinum group metal in combination with one or more compounds selected from the group consisting of nitric acid, a nitrogen oxide and an ester of nitrous acid, optionally in the presence of molecular oxygen at a temperature between room temperature and 250°C and a pressure of between atmospheric pressure and 300 atmospheric.

CLASS 39M.

145966.

Int. Cl.-C01b 25/30.

PROCESS OF OBTAINING SODIUM TRIPOLYPHOSPHATE.

*Applicant*: FERTILIZER CORPORATION OF INDIA LIMITED, 55 MADHUBAN NEHRU PLACE, NEW DELHI-110024, INDIA.

*Inventors*: DR. RAVI MOHAN BHATNAGAR, DR. RAM MOHAN VERMA AND SHRI PRAKASH CHANDRA VARMA.

Application No. 151/Del/77 filed July 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

Process of obtaining sodium tripolyphosphate which is free of pink colour which comprises:

- (a) preparing phosphoric acid by treating high manganese containing rock phosphate with an acid or a mixture of acids as herein defined;
- (b) treating the obtained phosphoric acid with rock phosphate with sulphide source such as sodium sulphide, sodium hydrosulphide; active carbon; soda alkali such as sodium carbonate and sodium hydroxide;
- (c) filtering partially neutralized acid obtained in step (b) to separate precipitated impurities;
- (d) oxidizing the obtained acid of step (c) with an oxidising agent such as nitric acid, hydrogen peroxide, potassium persulphate and potassium periodate and thereafter neutralizing the same with soda alkali such as sodium carbonate and sodium hydroxide; and the mole ratio of  $Na_2O/P_2O_5$  is kept at 5/3;
- (e) treating the neutralized mass obtained in step (d) with an ammonia source such as gaseous ammonia and liquor ammonia; and sulphide source such as sodium sulphide, hydrogen sulphide gas and ammonium sulphide to remove manganese impurities;
- (f) filtering the slurry obtained in step (e) to separate precipitated solids;
- (g) concentrating (by evaporation) and drying the filtrate obtained in step (f) to get a solid mass; and finally
- (h) calcining the solid mass obtained in step (g) between 300°—450°C in a furnace and slowly cooling to room temperature to get sodium tripolyphosphate free of pink colour.

CLASS 32E.

145967.

Int. Cl.-C08f 1/84, C08c 5/02.

PROCESS FOR THE PREPARATION OF CHLORINATED ALIPHATIC POLYMERS.

*Applicant*: BAYER AKTIENGESellschaft, OF 5090, LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: KLAUS HOFFMANN, JOHANN JFLEN, DIETZ HEINE AND ROLF RAATZ.

Application No. 244/Del/77 filed September 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

A process for the preparation of a chlorinated aliphatic polymer which comprises chlorinating a chlorine-free aliphatic polymer as herein described in a chlorinated hydrocarbon as solvent using gaseous chlorine, adding to the resulting mixture from 15 to 50% by weight of a lacquer resin as herein described and isolating the chlorinated aliphatic polymer by steam distillation.

CLASS 172D<sub>8</sub>. 145968.  
Int. Cl.-D01h 1/00, 7/00.

IMPROVEMENT AND MODIFICATION IN FLYER USED IN TEXTILE SPINNING.

*Applicant & Inventor*: DILIP CHAMPAKAL SHAH, AT 5, PARNAKUNJ, AMBAWADI, AHMEDABAD-380 006, (GUJARAT STATE), INDIA.

Application No. 317/Bom/76 filed September 13, 1976.

Complete Specification left May 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A flyer of the kind described herein for use in, for example, slubbers, roving frames and speed frames comprising flyer arms, flyer head connecting the flyer arms and a middle piece with a transverse pin, characterised in that axis of the transverse pin is in a plane perpendicular to the plane of the flyer arms and it (the said pin) passes through diametrically opposite holes in the middle piece, ends of said pin which project from said holes being disposed in slots in the lower end of the flyer head.

CLASS 63E & I. 145969.  
Int. Cl.-H02k 9/00.

DRYING DEVICE FOR ELECTRIC MOTORS.

*Applicant*: KLEIN, SCHANZLIN & BECKER A.G., OF 6710 FRANKENTHAL (PFALZ), JOHANN-KLEIN-STRASSE 9, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: WILHELM BLANK AND ERNST ROTH.

Application No. 586/Cal/76 filed April 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Drying device for the stator space of an electromotor of explosion-proof design working at high temperatures with a ventilation opening connected to said space for the winding of the motor, characterized in that the said opening is provided either at the lowest point of the motor housing or at the lowest point of a terminal box fitted below the electromotor and connected with said space through a pipe acting as a heat barrier, said opening being provided with a hygroscopic drying agent placed before it.

CLASS 31B. 145970.  
Int. Cl.-H01f 37/00.

REACTOR CORE.

*Applicant*: GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY, NEW YORK, UNITED STATES OF AMERICA.

*Inventors*: HENRY WILLIAM KUDLACIK AND ROVER LEFFER WINCHESTER.

Application No. 991/Cal/76 filed June 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A laminated air-gap core for a high current reactor comprising: first and second respective oppositely disposed pair of core legs forming a rectangle, each of said core legs being of a trapezoidal shape so as to define with adjacent legs a plurality of diagonal air gaps devoid of any solid spacers at respective corners of said rectangle; a pair of end plates disposed along opposite sides of each of said first oppositely disposed pair of core legs and extending at right angles therefrom so as to partially extend along the sides of each of said second pair of oppositely disposed core legs and engaging the planar edges of said core legs in flat abutting frictional relationship; a plurality of very thin ferromagnetic laminations having said trapezoidal shape and being of a flat planar configuration both before assembly into said core and after assembly and compression therein; a plurality of thick planar non-magnetic spacer members having substantially the same shape as said end plates interposed at regular intervals within said core engaging said laminations in flat abutting frictional relationship and separating said laminations of said core legs into a plurality of lamination groups, said spacer members operating to change the pattern of shear-resisting forces applied between said laminations during operation of said reactor so as to reduce the maximum shear-resisting forces between any lamination and any adjacent planar surface by a factor equal to the number of lamination groups created by the interpositioning of said spacer members; means applying a substantially uniform compressive force to each of said first pair of oppositely disposed pair of core legs to apply to the laminations and spacer members thereof a compressive force sufficient to compress said laminations without deformation of the same, said compressive force being sufficient to apply frictional forces between said laminations, said end plates and said spacer members to resist the maximum shear force caused by electrical phenomena during operation of said reactor aid tending to close or deform said air gaps; means applying a substantially uniform compressive force to each of said second pair of oppositely disposed pair of core legs to apply thereto a compressive force sufficient to establish without deformation of said lamination an equivalent frictional force as is applied to each of said first oppositely disposed pair of core legs.

CLASS 70B. 145971.  
Int. Cl.-B01k 3/02, 3/06.

A METHOD FOR PRODUCING A CATHODE.

*Applicant*: RHONÉ-POULENC INDUSTRIES, OF 22 AVENUE MONTAIGNE, 75 PARIS 8, FRANCE.

*Inventors*: DOMINIQUE RAVIER AND JEAN GROS-BOIS.

Application No. 1419/Cal/76 filed August 6, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

A method for producing (in a known manner) a cathode for use in the electrolysis of alkali metal chlorides comprising coating at least one face thereof with a binary alloy of an element belonging to the first triad of group VIII of the periodic table such as hereinbefore defined with titanium.

CLASS 64A. 145972.  
Int. Cl.-H01h 85/00.

AN ELECTRICAL FUSE.

*Applicant*: SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventors*: ANTON GALLI AND DR. RICHARD MATER.

Application No. 1490/Cal/76 filed August 16, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An electrical fuse comprising an insulating housing having two end faces at which are located electrical



terminals for the fuse, wherein each of the electrical terminals is made from aluminium or aluminium alloy on which is a layer of nickel and a layer of silver on the nickel, and wherein the housing is assembled from two half-shells, and each of the terminals is a single-piece element formed with an abutment securing the terminal between the half-shells.

CLASS 181. 145973.  
Int. Cl.-F16j 15/00.

IMPROVEMENTS IN OR RELATING TO CONTRACTLESS SEALS.

*Applicant*: ESCHER WYSS LIMITED, OF ZURICH, SWITZERLAND.

*Inventors*: ALFRED CHRIST, HELMUT LEHMANN, LUDWIG KANTOR AND HELMUT MILLER.

Application No. 1602/Cal/76 filed August 31, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 19 Claims.

A contractless seal between a rotary part and a stationary part, the seal comprising a sealing member surrounding the axis of rotation and having a sealing surface co-operating with a sealing surface on the rotary part, means for applying (at least during operation of the seal) a bias force to the sealing member to bias the sealing surface on the sealing member in a direction towards the sealing surface on the rotary part, and a plurality of pressure chambers formed in and extending in a ring around the sealing surface on the sealing member, each of the chambers having means for connection through a restrictor to a source of a barrier fluid.

CLASS 72B. 145974.  
Int. Cl.-C06b 1/04.

AN EXPLOSIVE COMPOSITION AND A TWO COMPONENT FIELD MIX EXPLOSIVE PREPARED FROM IT.

*Applicant*: EXCOA, INC., AT YORK CENTER, WILLOWS ROAD AT NORTHEAST 16TH STREET, REDMOND, WASHINGTON 98052, UNITED STATES OF AMERICA.

*Inventors*: JAMES EDWARD FRIANT AND MARSHALL EARL KLOPICH.

Application No. 1619/Cal/76 filed September 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 38 Claims. No drawings.

An explosive composition, comprising:

(a) a first solid component selected from a group consisting of:

- (1) ammonium nitrate,
- (2) mixtures of ammonium nitrate with an oxidizer salt, such as ammonium perchlorate, which would include salts having ammonia or a metal as the cationic radical and nitrate or perchlorate as the anionic radical, with the amount of ammonium nitrate being at least about half the total weight of the first component,

(b) a second liquid component comprising:

- (1) hydrazine in an amount between about two-fifths to two-thirds of the total weight of the second component,
- (2) a second ingredient selected from a group consisting of water, a compatible liquid fuel and mixtures thereof in an amount between about half the amount of hydrazine to an amount by weight moderately greater than the hydrazine, and
- (3) ammonium nitrate in an amount no greater than about one-sixth of the total weight of the second component,

2-437 GI/78

with the proportion of said second component to the first component being between one to two parts by weight to fifteen parts by weight of the solid component and present in an amount adequate to form an explosive composition.

CLASS 172C. 145975.  
Int. Cl.-D01g 15/54.

METHOD AND APPARATUS FOR AUTOMATICALLY RENDERING FLEECES, SLIVERS, ROVINGS AND THE LIKE UNIFORM BY DRAFTING.

*Applicant*: SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

*Inventors*: HEINRICH NIESTROI AND PETER DENZ.

Application No. 1744/Cal/76 filed September 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

A method for automatically rendering fleeces, slivers, rovings and the like uniform through drafting, in which the sliver is sensed a specific distance away from a drafting zone, the values obtained through the sensing being stored and, after a delay corresponding to the time taken by the sensed point of the sliver to reach the drafting zone, the values obtained being fed to a control device for regulating the drafting ratio by altering the speed of draw-in to the drafting zone or the speed of delivery from the drafting zone, characterised in that the sensed deviations of the sliver thickness from the prescribed thickness are converted into analogue electrical values and are then converted into digital values and are stored as digital values; these digital values being released after a time corresponding to the time taken by the sensed point of the sliver to travel into the drafting zone, and are converted back into analogue electrical values, which are then fed to the control device for regulating the draft.

CLASS 14A & 172E. 145976.  
Int. Cl.-H01m 3/00, B65h 23/00.

APPARATUS FOR WINDING STRIPS OF MATERIAL FOR SEPARATING THE ELECTRODES OF STORAGE BATTERIES.

*Applicant & Inventor*: IVAN ALEXANDROVICH KOLOSOV, ULITSA ASTRANKHANSKAYA, 118, KV. 34, SARATOV, USSR, JURY EGOROVICH IVANYATOV, ULITSA M. ZATONSKAYA, 21, SARATOV, USSR AND VLADIMIR NIKOLAEVICH PEVNEV, ULITSA OGORODNAYA, 223, KV. 31, SARATOV, USSR.

Application No. 1818/Cal/76 filed October 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims.

An apparatus for winding strips, preferably in longitudinal cutting of a tape of material for separating the electrodes of storage batteries, wherein at least two drawing rollers mounted in a spaced relationship to each other, one of which has a smooth surface rotating at a speed by 5 to 10% greater than that of the other having rubberised surface, said rollers being connected to a drive for their rotation to provide for the tape movement through a cutting mechanism; a common transmission chain connects the said drawing rollers and two receiving shaft through sprockets to the drive and provides for their simultaneous movement; said receiving shafts being connected to said drive via transmission chain by means of a friction clutch with the possibility of slipping, the shaft axes running in parallel with the axes of said drawing rollers, and the shafts being provided with a set of spools for winding adjacent strips on said spools of different receiving shafts; said receiving shafts being provided with longitudinal slots extending along the entire length thereof, and each spool has a stop received in the longitudinal slots of the receiving shafts to provide for tensioning of the tape upon slackening.

CLASS 80K.

145977.

Int. Cl.-B01d 25/00.

**IMPROVEMENTS IN OR RELATING TO INDUSTRIAL FILTERS.***Applicant*: SOCIETE DE PRAION. OF PRAYON, FORET, BELGIUM.*Inventor*: ARMAND DAVISTER.

Application No. 1842/Cal/76 filed October 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims**

Industrial filter comprising filtering cells and a distributor collecting and distributing fluids from the cells, said distributor comprising essentially a distributing part and a collecting part sliding relative to one another with a cyclic movement, the collecting part being divided into chambers and compartments bounded by partitions, said compartments communicating with one or a plurality of suction and discharge means for gases and liquids, the chambers being isolated and communicating each with a sucking or pressurizing device, the distributing part comprising in communication with each cell, alveoles that become open in sequence during the cyclic movement, towards each one of said compartments and chambers in such a way that during each cycle, each cell communicates in sequence with each one of said compartments and chambers, in which each one of said compartments and chambers, in which each one of said compartments is provided on the one hand at the bottom thereof with at least one liquid-discharge outlet lying substantially below that level where the alveoles come into contact and on the other hand, above the liquid top level, with at least one passageway towards a gas-sucking means in such a way as to suck said gases while causing the gases and liquids to separate and go along different paths inside the compartments, means being provided to return to the original compartment those liquids which might have entered said passageways so as on the one hand, obtain at the distributor outlet, liquid-free gases and on the other hand, collect through the discharge openings but liquids which are substantially free from undissolved gases.

CLASS 172C.

145978.

Int. Cl.-D01g 23/06.

**APPARATUS FOR SENSING PRESSURE DIFFERENCES IN A FIBRE LAYER.***Applicant*: MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.*Inventors*: PAUL STAHELI AND ROBERT MOSER.

Application No. 1849/Cal/76 filed October 8, 1976.

Convention date October 17, 1975(42661/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims.**

An apparatus for sensing pressure differences in a fibre layer depending on the thickness of the fibre layer processed in a fibre handling machine, in which the space between a movable surface for carrying the fibre layer in the fibre handling machine and a cover plate spaced from the said surface is connected by means of a duct with a pressure measuring device.

CLASS 55F.

145979.

Int. Cl.-A61k 9/04.

**PROFESS FOR PREPARING IMPROVED DISCRETE POLYUREA MICROCAPSULES.***Applicant*: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.*Inventor*: HERBERT BENSON SCHER.

Application No. 1944/Cal/76 filed October 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**7 Claims. No drawings.**

The process for the formation of improved discrete polyurea microcapsules having distinct polyurea walls formed from the interfacial polymerization of an organic phase containing a polyisocyanate and an aqueous phase wherein said improvement is the addition to the organic phase of a solvent during the microencapsulation comprising the steps of:

- adding to an organic phase comprising water-immiscible material to be encapsulated, a solvent capable of excluding water from the organic material and polyisocyanate;
- forming a dispersion of said organic phase in an aqueous phase comprising water, a surfactant and a protective colloid; and
- formation of the distinct polyurea polymer walls.

CLASS 110 &amp; 172E.

145980.

Int. Cl.-B65h 54/00, D041 15/00.

**A THREAD SUPPLY DEVICE FOR TEXTILE MACHINES.***Applicant*: AKTIEBOLAGET IRO, OF VISTA HOLM, S. 52301 ULRIKHAMN/SWEDEN.*Inventor*: KURT ARNE GUNNAR JACOBSSON.

Application No. 1984/Cal/76 filed November 1, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims.**

A thread supply device for textile machines, comprising a drum on which the thread issuing from a supply bobbin can be wound tangentially and withdrawn over the top either by rotation of the drum or, in the case of a stationary drum, by means of a disc-shaped or ring-shaped winding element rotating adjacent a free peripheral front edge of the drum while forming at least one thread winding such that the thread is withdrawn over a removal edge of the drum in the case of a rotating drum and over a sliding edge of the winding element in the case of a stationary drum, and that a thread control element is provided which is arranged stationary adjacent the removal edge in the case of a rotating drum and which serves as a lateral stop for the unwinding thread opposite the direction of movement of the removal edge, and which is located on the winding element adjacent the sliding edge in the case of a stationary drum and which limits the peripheral velocity of the thread unwinding about the sliding edge to the peripheral speed thereof, characterized in that, in order to use the thread supply device in small jacquard machine, a brake means acting progressively on the unwinding thread in the peripheral direction of the same is disposed in front of the thread control-element in the sense of the thread rotation about the removal or sliding edge during thread removal such that the braking effect is amplified as the thread approaches the thread control element and decreases as it moves away from the thread control element.

**CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)****(1)**

The title of the invention in the application and specification as well as opening description of the specification of Patent Application No. 142582 (earlier numbered as 197/Cal/76), the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 30th July, 1977 has been corrected to read as "Method for connecting at least one sub-marine pipeline to a weight platform and its use in an offshore structure" under Section 78(3) of the Patents Act, 1970.

**(2)**

The title of the application and specification and also opening description of the specification of Patent applica-

tion No. 142764 (earlier numbered as 1484/Cal/74) was made by The Lucas Electrical Company Limited, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 27th August, 1977 has been corrected to read as "A light source for supplying light to one or more optical cables and its use in a lighting assembly" under Section 78(3) of the Patents Act, 1970.

The title in the application and specification and also opening description of the specification of Patent application No. 142879 (earlier numbered as 1584/Cal/74) made by National Plant Hire (Proprietary) Limited, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 3rd September, 1977 has been corrected to read as "A sealing washer assembly, a method of manufacturing the same and its use in a roofing fastener assembly" under Section 78(3) of the Patents Act, 1970.

## (4)

The title of the invention in the application, specification and also the opening description of the specification of Patent application No. 143009 (earlier numbered as 1605/Cal/74) was made by The Marley Company the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 24th September, 1977 has been corrected to read as "A dry surface fluid cooling tower and its use in a method of cooling a fluid", under Section 78(3) of the Patents Act, 1970.

## (5)

The title of the invention in the application, specification and also the opening description of the specification of Patent application No. 143031 (earlier numbered as 1189/Cal/75) made by Koninklijke Emballage Industrie Van Leer B.V. the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 24th September, 1977 has been corrected to read as "Container for liquids, pastes or powders and a method for its manufacture" under Section 78(3) of the Patents Act, 1970.

## (6)

The title of the invention in the application and specification as well as opening description of the specification of Patent application No. 143479 (earlier numbered as 1156/Cal/75), the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 3rd December, 1977 has been corrected to read as "Improvements relating to the calcination of pulverous material, a calcination plant for carrying out the same and a rotary kiln incorporating a calcination plant" under Section 78(3) of the Patents Act, 1970.

## PATENTS SEALED

141436 141451 141705 141706 141707 141708 141710 141714  
141716 141721 141723 141744 141750 141751 141771 141774  
141793.

## Chemical List II

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the patentees in the Statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar year 1977 generally on account of want of requests for licence to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose :—

Sl. No.	Patent No.	Date of Patent	Name and address of the Patentees	Brief title of the invention
1	2	3	4	5
1.	103985	20-4-1972	The Wellcome Foundation Ltd, 183-193 Euston Road, London N.W. 1.	Insulin
2.	104163	3-3-1966	Do.	Compositions containing sulpho quinoxaline and diaveridine
3.	104230	20-4-1972	Bristol Myers Co., Thompson Road, East Syracuse, New York	Antibacterial compositions
4.	104300	Do.	Banyu Pharmaceutical Co., Ltd., 7-2-Chome, Nihonbashi Honcho, Tokyo, Japan.	Pyridinedimethanol bis-carbamate derivatives.
5.	104518	24-3-1966	Chiyoda Kako Kenetsu Kabushiki Kaisha 12, 3 Chome, Akasaka-Tamachis Tokyo	Epoxy resin condensates
6.	105078	20-4-1972	F Hoffmann La Roche & Co., AG-124-184 Grenzacherstrasse, Basle, Switzerland	Nitroimidazoles.
7.	105131	Do.	Pfizer Corporation, Calle 151/2, Avenida Santa Isabel, Colon, Panama	Preparation of 2-alkyl thiophene.
8.	105363	Do.	Veb Arzneimi Helwerk, Wilhelm-Picel Strasse 35. German Democratic Republic.	Griseo fulvin
9.	105457	26-5-1966	Monsanto Co., 800 North Lindbergh Blvd. St. Louis, Missouri 63166, U.S.A.	Inhibiting premature vulcanisation of diene rubber
10.	105462	27-5-1966	Hoechst AG., 6230 Frankfurt/Main 80, Western Germany.	N-furfuryl-5-sulfamyl-anthranilic acids
11.	105661	20-4-1972	D-gussa, 9 Weissfrauenstrasse, Frankfurt Main, Federal Republic Germany.	Basic terpene ether derivatives

1	2	3	4	5
12.	105700 . .	20-4-1972	Ciba-Geigy of India Ltd., Goregaon, Bombay.	Sulphur containing amine.
13.	105796 . .	Do.	Hoerhst AG., 6230 Frankfurt/Main 80, Western Germany.	Benzenesulfonyl ureas.
14.	105872 . .	Do.	Pfizer Inc., 235 East 42nd Street, New York.	Quinoxaline-N-Di-oxides.
15.	105981 . .	Do.	Do.	Quinoxaline compounds.
16.	106264 . .	Do.	Do.	Cyclic thioimidates.
17.	106311 . .	Do.	Hoechst AG., 6230 Frankfurt/Main 80, Western Germany.	Benzenesulfonyl ureas
18.	106382 . .	Do.	The Norwich Pharmacal Co. Norwich New York, U.S.A	1-[(5—substituted) fur furylideneamino] hydantoin and imidazolidinones.
19.	106434 . .	Do.	Parke Davis & Co., Joseph Compau at River, Detroit, Michigan U.S.A.	N-sufanilyl-Cytosine compounds.
20.	106481 . .	Do.	Ciba-Geigy of India Ltd., Aarey Road, Goregaon, Bombay.	Manufacture of new azabi-cycloal-phatic compounds.
21.	106748 . .	23-8-1966	Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Missouri, U.S.A	Herbicide composition.
22.	106850 . .	20-4 1972	Centre National De La Recherche Scientifique, 15 Quai Antoine France Paris.	New Derivative of phenylbutazone.
23.	106955 . .	Do.	Zaidan Hojin, 403 Kamiosaki Nakamaru Shinagawa-ky, Tokyo.	Kasugamycin.
24.	107244 . .	Do.	C S I R, Rafi Marg. New Delhi-1	Isothiocyanates of biological interest.
25.	107283 . .	Do.	Herchek Smith, Wayne Delaware Country Pennsylvania—U.S.A.	Steroid thioketals.
26.	107341 . .	4-10-1966	S.A. des Etablissements Roue Bertrand Pils & Justin Dupont, Paris.	Novel diketones.
27.	107483 . .	13-10-1965	Laporte Titanium Ltd., Hanover Square, London.	Pigments.
28.	107565 . .	19-10-1965	Do	Titanium dioxide.
29.	107566 . .	Do.	Do.	Do.
30.	107567 . .	Do.	Do.	Do.
31.	107568 . .	Do.	Do.	Do.
32.	107630 . .	20-4-1972	American Cyanamid Co., U.S.A.	dl-6-phenyl-2, 3, 5 6-tetra-hydro-1-midazo [2, 1-6] triazole.
33.	107697 . .	27-10-1966	The Wellcome Foundation Ltd., 183-193, Euston Road, London, England.	Cyanoacetals and benzylpyramidines synthesised therefrom
34.	108029 . .	20-4-1972	Pfizer Inc., 235E, 42nd Street New York.	New amidines.
35.	108134 . .	Do.	P. Hoffmann La Roche & Co., AG. 124-184 Grenzachensstrasse, Basle, Switzerland.	Novel Pharmaceutical compositions.
36.	108139 . .	Do.	Pfizer Inc. 235 E, 42nd Street, New York.	Tetracycline recovery process.
37.	108188 . .	Do.	Smithkline Corporation, 1500 Spring Str. Philadelphia, U.S.A.	Benzimidazolyl carbamic acid.
38.	108219 . .	Do.	American Home Products Corporation, 685 3rd Avenue, New York.	Conversion of dl 13B-ethyl-17B—hydroxy-4-en-3-one to a d/3B—ethyl-4-ene-3, 17 diene.
39.	108354 . .	Do.	Ciba-of India Ltd., Aarey Road, Goregaon, Bombay.	Oxazepine.
40.	108367 . .	Do.	Do.	Benzheterocyclic compound.

1	2	3	4	5
41.	108370 . .	9-12-1966	Monsanto Co., 800 North Lindbergh Blvd., U.S.A.	Purification of olefinically unsaturated nitriles.
42.	108464 . .	20-4-1972	The Wellcome Foundation Ltd., 183-193 Euston Road, London, England.	Amidines.
43.	108572 . .	31-12-1966	Ciba of India Ltd., Aarey Rd., Goregaon, Bombay.	Toothpastes in enlarged aluminium tubes.
44.	108684 . .	2-1-1967	Monsanto Co., 800 North Lindbergh Blvd., U.S.A.	Inhibition of premature vulcanisation.
45.	108717 . .	20-4-1972	Ciba of India Ltd., Aarey Road, Goregaon, Bombay.	New azabicycloaliphatic compounds.
46.	108723 . .	Do.	C S I R, Rafi Marg, New Delhi.	3-amino or substituted amino benzo (6-7)—quinazoline-4-ones.
47.	108829 . .	11-1-1967	Bunker Ramo Corporation, Illinois, U.S.A.	Dry lubricant composition.
48.	108830 . .	Do.	Do.	Articles of ceramics or coated with alternate layer lubricant.
49.	108831 . .	Do.	Do.	Dry lubricant coated article.
50.	108917 . .	20-4-1972	Chinoin Gyogyszer Es Vegyeszeti Termek Gyara Rt., 1-5-to Utca Budapest IV, Hungary.	Nutriments containing 3, 6-pyridazinediol or organotropic salts thereof.
51.	108980 . .	Do.	American Home Products, Corporation 685, Third Avenue, New York.	13-alkylagona-1, 3, 5 (10) 6, 8-pentanes and 13-alkygena-1, 3, 5, (10) 8, 14-pentanes.
52.	109068 . .	Do.	Knoll AG., Ludwigshafen of Rhine, West Germany.	Basically substituted phenyl acetnitriles.
53.	109077 . .	Do.	Pfizer Inc. 235 E, 42nd Street, New York.	Imidazoles.
54.	109119 . .	31-1-1967	Monsanto Co., 800 North Lindbergh Blvd., Missouri, U.S.A.	$\alpha$ -chloroacetamides and phytotoxic compositions.
55.	109451 . .	20-4-1972	M. Jean Boige, 53 Avenue, St. Denis, France.	Industrial manufacture of hydroxycobalamin.
56.	109500 . .	Do.	Smith kline Corporation, 1500 Spring Garden Str., Pennsylvania, U.S.A.	Substituted 10-amino alkyl-9, 10-dihydroanthracenes.
57.	109569 . .	Do.	Ciba of India Ltd., Goregaon, Bombay.	Azocycloaliphatic compounds.
58.	109595 . .	Do.	Elli Lilly Co., 740 South Alabama Str., Indianapolis U.S.A.	7-alpha-aminobenzyl-3-methylcephalosporin analogues.
59.	109642 . .	Do.	American Home Products Corporation, 685, 3rd Avenue, New York.	1, 3-dihydro-5-aryl-2H-1, 4 benzodiazepine-2-ones
60.	109920 . .	27-3-1967	F. Hoffmann EA. La Roche & Co., AG., 124-184, Grenzacherstrasse, Basle, Switzerland.	Novel imidazole.
61.	110093 . .	20-4-1972	Elli Lilly & Co., 740 South Alabama Str., Indianapolis U.S.A.	Producing an antibiotic tetracyclines.
62.	110113 . .	Do.	American Home Products Corporation, 685, 3rd Avenue, New York.	Steroid gonones.
63.	110353 . .	Do.	Koninklijke Nederlandsche Gist- & Spiritusfabriek N.V., Delft, Netherlands.	11 $\beta$ -hydroxy—steroids.
64.	110354 . .	Do.	Do.	17 $\alpha$ -acyloxy-21-hydroxy compounds of the pregnane series.
65.	110383 . .	Do.	Do.	6-amino-penicillanic acid.
66.	110430 . .	29-4-1966	Common wealth Scientific and Industrial Research Organisation, East Melbourne, Australia.	Anosovite from titaniferous minerals.
67.	110433 . .	20-4-1972	F. Hoffmann La Roche & Co., AG., 124 184 Grenzacherstrasse, Basle, Switzerland.	Sulfonamide potentiator composition.
68.	110639 . .	Do.	Do.	1, 2-dihydrobenzodiazepines.

1	2	3	4	5
69.	110859 . .	20-4-1972	American Cyanamid Co., Wayne, New Jersey U.S.A.	d-2-amino-butanol or acid tartrate thereof.
70.	110881 . .	Do.	A. G. Gold, Frankfurt (Main) Federal Republic of Germany.	New substituted amino pyridines.
71.	110954 . .	Do.	Ciba-Geigy of India Ltd., Aarey Road, Goregaon (E), Bombay.	New azabicycloaliphatic compounds.
72.	111500 . .	Do.	The Wellcome Foundation Ltd., 183-193 Euston Road, London.	Substituted pyrazole derivatives.
73.	111255 . .	Do.	Asia Werke AG., 79-91, Bielefelder strasse, Breckwede, German Democratic Republic.	New N-substituted amides and esters, amides of phosphoric and thiophosphoric acid.
74.	111413 . .	Do.	Pfizer Inc. 235E, 42nd Street, New York.	Tetracyclines.
75.	111498 . .	Do.	Do.	5-nitro imidazoles.
76.	111606 . .	Do.	F. Hoffmann La Roche & Co., AG., 124-184, Grenzacherstrasse, Basle, Switzerland.	1, 2, 3, 4-tetrahydro-isoquinoline-2-carboxamides.
77.	111664 . .	Do.	Kilco Chemicals Ltd., Belfast 13, N. Ireland.	Iodopher dairy sanitants.
78.	111779 . .	1-8-1967	L. Givandan & Cie Societe Anonyme, Switzerland.	Preserving agent.
79.	111799 . .	20-4-1972	American Home Products Corporation, 685, 3rd Avenue, New York.	2-alkylcyclopentane-1, 3-diones.
80.	111820 . .	Do.	Ceskoslovenska Akademie Ved. No. 3, Narodni, Czechoslovakia.	Antidiuretically active polypeptide.
81.	111963 . .	Do.	American Home Products Corporation, 685, 3rd Avenue, New York.	Steroid compounds.
82.	111967 . .	Do.	Do.	Virus containing composition in dosage form.
83.	111973 . .	Do.	Pfizer Inc., 235E, 42nd Street, New York.	6-epi-deoxy-5-oxytetracycline.
84.	112078 . .	Do.	American Home Products Corporation, 685, 3rd Avenue, New York.	Benzodiazepine compounds.
85.	112177 . .	30-8-1967	Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Missouri, U.S.A.	Composition for increasing the sugar content of the sugar-cane.
86.	112409 . .	20-4-1967	American Home Products Corporation, 685, 3rd Avenue, New York.	Nitroalkanoates.
87.	112504 . .	Do.	Hoechst Ag. 6230 Frankfurt/Main Federal Republic of Germany.	Acylaminoalkyl-benzene-sulfonyl ureas.
88.	112592 . .	30-9-1967	Idemitsu Kosan Co., Ltd., Tokyo, Japan.	Polyoelfins.
89.	112673 . .	20-4-1972	Hoechst AG 6230 Frankfurt/Main, Federal Republic of Germany.	Benzenesulfonyl ureas.
90.	112696 . .	Do.	C.S.I.R., Rafi Marg, New Delhi.	Amylase from fungi.
91.	112712 . .	Do.	Ciba Geigy of India Ltd., Aarey Road, Goregaon, Bombay-63.	Manufacture of benzheterocyclic compounds.
92.	113212 . .	Do.	John Wyeth & Brother Ltd., Huntercombe Lane South, Taplow, England.	Oxazoles.
93.	113276 . .	Do.	Imperial Chemical Industries Ltd., Millbank, London S.W. 1.	New morpholine derivatives.
94.	113289 . .	22-11-1967	L. Givandin & Cie Societe Anonyme, Vermier Geneve, Switzerland.	Terpene derivatives.
95.	113812 . .	20-4-1972	Bristol Myers Co., Thompson Road, East Syracuse, New York.	7-(pyridylmethylcaptoacetamido) cephalosporanic acid compounds.

1	2	3	4	5
96.	113926 . .	20-4-1972	Sankyo Co., Ltd., No. 1-6, 3 Chome, Tokyo.	Stabilising aqueous solution of amylolytic enzymes.
97.	114024 . .	11-1-1968	The Carborundum Co., Niagara County U.S.A.	Polyester based on hydroxybenzoic acids.
98.	114083 . .	20-4-1972	Pfizer Inc., 235E, 42nd Str. New York U.S.A.	New synthesis of 2-(2-arylvinyl)-1, 4, 5, tetrahydropyrimidines and 2-(2-arylvinyl) 2-imidazolines.
99.	114190 . .	Do.	The Wellcome Foundation Ltd., 183-193 Euston Road, London.	5-benzyl pyrimidine derivatives.
100.	114255 . .	Do.	Pfizer Inc., 235E, 42nd Street, New York.	1, 4, 5, 6-tetrahydro-2-(2-(substituted) vinyl) pyrimidines and 2-[(2-substituted) vinyl]-2-imidazolines.
101.	114400 . .	Do.	Cincinnati Milacren Inc., 4701 Marburg Avenue, Cincinnati Ohio, U.S.A.	Detergent compositions.
102.	114414 . .	Do.	Takio Shimamoto, Kitamachi, Shinjuku, Tokyo.	Pyridinemethanol compositions.
103.	114602 . .	Do.	Pfizer Corporation, Calle 15- Avenida Santa Isabel, Colon, Panama.	N-phenyl indoline derivatives.
104.	114642 . .	Do.	Snamprogetti S.p.a., 16 Corso Venezia, Italy.	Ethylene oxide.
105.	114741 . .	26-5-1966	Monsanto Co., 800 N. Lindbergh Blvd., Missouri, U.S.A.	Novel sulfonamide compounds.
106.	114805 . .	20-4-1972	C.S.I.R., Rafi Marg, New Delhi.	N-substituted acids of pharmacological interest.
107.	114815 . .	Do.	Spofa Spojene Podniky, Praha, Czechoslovakia.	Producing the antimicrobially and anti-mycotically effective 2-amino alkanes.
108.	114864 . .	6-3-1968	Hoechst AG, 6230 Frankfurt/Main, West Germany.	Basically substituted cyclopentyl-phenol ethers.
109.	115032 . .	29-3-1967	Laporte Titanium Ltd., London W.1.	Heating titanium tetrachloride vapour in the process of manufacturing titanium dioxide.
110.	115036 . .	20-4-1972	Pfizer Inc, 235, 42nd Street, New York.	$\alpha$ -6-deoxy-5-Oxytetracycline.
111.	115123 . .	Do.	Eli Lilly & Co., 740 South Alabama Street, Indiana, U.S.A.	Medicated adhesive tape.
112.	115246 . .	Do.	Pfizer Inc. 235, 42nd Street, New York.	5-nitroimidazole.
113.	115300 . .	5-4-1968	Monsanto Co., 800 North Lindbergh Blvd., U.S.A.	Carboxylic acids and esters.
114.	115352 . .	20-4-1972	Parke, Davis & Co., Michigan, U.S.A.	New n-sulfanilylsytosine compounds.
115.	115500 . .	Do.	The Wellcome Foundation Ltd., 183-193 Euston Road, London.	Purification of concentration of animal viruses.
116.	115652 . .	29-4-1968	Ciba-Geigy of India Ltd., Aarey Road, Goregaon, Bombay-63.	Colouring textile.
117.	115693 . .	20-4-1972	Eli Lilly & Co., 740 South Alabama Street, Indiana, U.S.A.	Converting penicillins sulfoxide ester to cephalosporin antibiotic.
118.	115694 . .	Do.	Do.	Do.
119.	115785 . .	Do.	John Wyeth & Brother Ltd., Huntercombe Lane, South, Berkshire, England.	Novel oxazoles.
120.	115800 . .	7-5-1968	Snamprogetti Spa, 16 Corso Venezia, Milan, Italy.	Urea.
121.	115812 . .	20-4-1972	American Home Products Corporation, 685, 3rd Avenue, New York.	Sodium salt of ampicillin

1	2	3	4	5
122.	115976 . .	20-4-1972	May & Baker Ltd., Dagenham Essex, England.	Water soluble non-toxic salts of 3-iodo-4-hydroxy-5-nitrobenzanitrile.
123.	115985 . .	Do.	American Home Products Corporation, 685, 3rd Avenue, New York.	Anhydrous crystalline form of D-6 (2-amino-2-phenyl aceanido) penicillanic acid.
124.	116028 . .	Do.	USV Pharmaceutical Corporation, 800 Second Avenue, New York.	Preparing thiono carbamate.
125.	116073 . .	Do.	Sankyo Co., Ltd., Tokyo, Japan.	Preparing 14-hydroxy-dihydro-6B-thebainol-4-methyl ether.
126.	116154 . .	Do.	Pfizer Corporation, Calle 15 $\frac{1}{2}$ , Avenida Santa Isabel Colon, Panama.	2-aminoalkyl-tetrahydroquinolines.
127.	116285 . .	Do.	F. Hoffmann La Roche & Co., Basle, Switzerland.	Stabilization of ascorbic acid.
128.	116552 . .	28-6-1968	Snamprogetti Spa, 16 Corso Venezia, Milan, Italy.	Ureas.
129.	116637 . .	20-4-1972	Hoechst AG., Frankfurt/Main, West Germany.	New 3-aminoacyl-amino-thiophenes.
130.	116687 . .	Do.	Elli Lilly & Co., 740 South Alabama Street, Indiana, U.S.A.	7-aminodesacetoxy cephalosporanate, esters.
131.	116832 . .	Do.	Koninklijke Nederlandsche Gist, 1, Wateringsweg, Delft, Netherlands.	7-aminocephalosporanic acid.
132.	116919 . .	Do.	Hoechst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	Sulfamyl anthranilic acid.
133.	116968 . .	27-7-1968	Snamprogetti S. P. A., 16 Corso Venezia, Milan Italy.	Urea having a low carbamate content.
134.	117052 . .	20-4-1972	Soclele D'etudes de Produits Chimiques, 24e Kleber 92130. France.	Novel esters derived from 5-nitro quinaldine.
135.	117053 . .	Do.	Do.	Novel furoic esters derived from 5 nitro quinoline.
136.	117108 . .	5-8-1968	Snamprogetti S.P.A., 16 Corse Venezia, Milan, Italy.	Ethylene oxide.
137.	117193 . .	9-8-1968	Do.	Vulcanisable amorphous olefinic terpolymers.
138.	117214 . .	20-4-1972	I.C.T. Australia Ltd., 1-Nicholson Street, Melbourne, Victoria, Australia.	Resdltroin of DC-tetramisole.
139.	117429 . .	Do.	American Cynamid Co., Wayne, New Jersey, U.S.A.	Novel substituted guanadienes.
140.	117443 . .	Do.	C.S.I.R., Rafi Marg, New Delhi.	Manufacture of [liquid or solid] pectin.
141.	117449 . .	Do.	Vob Arzneimittelwerk, Postfach 89/90, German Democratic Republic.	2-(halogenphenyl-amino)-imidazole
142.	117534 . .	Do.	Bristol Myers & Co., 630 5th Avenue, New York.	Penicillin compounds.
143.	117728 . .	Do.	Koninklijke Nederlandsche Gist & Spiritu sfabriek N. V., Netherlands.	Preparation of 6-aminopenicillanic acid.
144.	117876 . .	Do.	Rakilt Colman Products Ltd., Danson Lane, Hull, Yorkshire, England.	Chlorination of phenols.
145.	118204 . .	Do.	John Wyeth & Brother Ltd., Huntercombe, Lane, South, Berkshire, England.	Steroid ketone derivative preparation.
146.	118287 . .	Do.]	Ciba Geigy of India Ltd., Aarey Road, Goregaon, Bombay-63.	New pyrimidine derivatives.
147.	118463 . .	Do.	Kamyr AG., Fack S-651 01, Karlstad 1, Sweden.	Cellulose bleach tower with means for spreading a bleaching agent therein.



1	2	3	4	5
148.	118590 . .	20-4-1972	Sankyo Co., Ltd., Tokyo Japan.	Benzodiazepine derivatives.
149.	118826 . .	2-12-1968	F. Hoffmann La Roche & Co., AG., 124-184 Grenzacherstrasse, Basle Switzerland.	Epoxy compounds.
150.	118827 . .	20-4-1972	Hoechst AG., 6230 Frankfurt/Main, 80, Federal Republic of Germany.	Sulfamyl anthranilic acids.
151.	118967 . .	Do.	Pfizer Inc., 235E, 42nd Str., New York.	1-(2-amino-4-quinazolinyl) ureas.
152.	118990 . .	12-12-1968	Monsanto Co., 800 N. Lindbergh Blvd., Missouri 63166, U.S.A.	Mercaptans & sulfides.
153.	119001 . .	20-4-1972	I.C.I. Ltd., London S.W.-1, England.	1-acylaminophenoxy-3-amino-2-propanol derivatives.
154.	119063 . .	29-12-1967	Laporte Titanium Ltd. Hanover House, London W. 1.	Titanium dioxide.
155.	119086 . .	20-4-1972	C.S.I.R., Rafi Marg, New Delhi.	1-(2-oxy-3-substituted amino-propoxy) phenyl-alkanones.
156.	119145 . .	Do.	Hellmuth Carl Heinrich Hamburg, Federal Republic of Germany.	Oral preparation.
157.	119176 . .	Do.	Pfizer Inc. 235F, 42nd Str., New York.	Novel acylpenicillins.
158.	119423 . .	Do.	Pfizer Corporation, Calle 15-1/2 Avenida Santa Isabel, Colon, Panama.	Hexahydro pyrazino quinolines.
159.	119691 . .	Do.	Scherco Ltd., Lucerne, Switzerland.	Novel cyclic amides.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
81462 (20.4.72)	Process for preparation of benzodiazepine compounds.
87937 (20.4.72)	Process for preparation 1, 3-dihydro-5-aryl-3-carboxyacyloxy 2H-1, 4-benzodiazepin- $\alpha$ -one compounds.
95717 (20.4.72)	Method of preparation of salts of 2, 4, 6-trihydroxy benzoic acid.
95909 (20.4.72)	Process for the preparation of novel amino-alkylphosphorous compounds.
108216 (20.4.72)	Process for the preparation of novel amino-halogeno benzylamines.
109500 (20.4.72)	Process for preparation of substituted 10-aminoalkyl-9, 10-dihydroanthracenes.
111963 (20.4.72)	Process for the preparation of steroid compounds.
134586 (20.4.72)	Process for the preparation of heterocyclic compounds which inhibit non H-I histamines.
136388 (9.11.72)	Process for preparation of water insoluble monoazodyestuff.

136479 (24.1.73) Process for the preparation of a hydrolyzate of protein for use as dyestuff.

136579 (18.5.72) A process for amide-imide hydantoin polymers.

136614 (26.8.72) A process for the concentration and purification of aqueous solution of ethylene oxide.

136691 (23.5.72) Process for production of diazo compounds.

136739 (18.9.72) Process for preparing citric acid.

136773 (11.10.72) Rapid malleabilisation of white cast iron by inoculation with zinc.

136860 (26.9.72) Process for preparation of preservative for use in preservation of small arms.

#### RENEWAL FEES PAID

80534	91617	91674	91680	91681	91712	91964	92267	92337
92384	92385	92529	92585	92679	92834	94500	97217	97249
97250	97254	97321	97325	97360	97375	97475	97518	97521
97585	97774	97964	98034	98346	98461	98463	98782	99061
100349	101799	102593	102973	103262	103271	103348	103387	
103462	103621	103771	103775	104029	104056	104177	104202	
104236	104324	104329	104582	104661	105472	105597	105814	
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108806	108823	108874	108891	108906	108916	108985	109004	134305	134306	134307	134325	134326	134327	134340	134354
109013	109014	109015	109021	109034	109072	109225	109247	134356	134363	134365	134369	134383	134396	134441	134475
109334	109338	109790	109909	109944	113378	113751	113753	134515	134599	134600	134654	134692	134693	134882	134902
113755	113689	113860	114179	114209	114284	114303	114314	135086	135352	136103	136104	136290	136330	136530	136562
114346	114512	114625	114633	114825	114906	115122	116568	136594	136595	136615	136770	136831	136883	137038	137118
118871	119068	119161	119214	119261	119269	119317	119436	137168	137214	137248	137264	137310	137336	137337	137338
119509	119522	119546	119562	119578	119602	119623	119682	137661	137734	137844	137960	138160	138220	138223	138260
119778	119807	119921	120025	120026	120077	120166	120202	138511	138626	138636	138897	139044	139181	139240	139349
120378	120593	120594	120627	120698	120700	122460	124114	139462	139533	139557	139721	139813	139824	139877	139925
124483	124530	124626	124639	124640	124686	124692	124694	139947	140004	140014	140240	140244	140253	140276	140296
124729	124731	124747	124750	124756	124771	124779	124780	140305	140306	140365	140388	140397	140458	140487	140855
124781	124790	124825	124849	124855	124974	124986	124998	140881	140899	140962	140963	140998	141019	141057	141164
125012	125038	125096	125098	125521	125641	125764	125787	141220	141273	141385	141433	141443	141457	141681	141682
125796	125821	125835	125865	125887	125992	128385	128566	141683	141684	141713	141816	141857	141954	142080	142196
129524	129732	129798	129834	129849	129852	129856	129882	142278	142606	142634	142640	142694	142761	142762	141779
129884	129931	129934	129963	129998	130020	130021	130042	142848	142870	142876	142886	143101	143111	143195	143215
130048	130070	130072	130085	130096	130100	130355	130433	143234	143281	143305	143335	143374	143386	143438	143520
130483	130518	130519	130643	133832	133863	133917	133917								
134007	134171	134177	134209	134216	134281	134282	134286								

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